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Comparison with Arab states:

Israel's military strength is appraised in the first of three pages reviewing the balance of power in the Middle East. The 🛭 articles, charts, and lists of weapons are based on information supplied by Priscilla A. Clapp, research associate with the International Studies Division of Bolt Beranek & Newman of Cambridge, Mass. By Joy Gerville-Réache

Staff writer of The Christian Science Monitor

RAW A BALANCE SHEET ON PAPER started in July, 1969, and is going ahead from the United States to Israel. The French between the armed forces of Israel and the at the rate of about four a month. The supplied small arms to Israel under the United Arab Republic and you find that order should be completed by midsummer cover of commercial deals with a Latin-Israel has substantially fewer combat 1970. planes but holds a slight edge in armor.

and the Jewish state begins to look greatly for delivery to begin in the second half c

outnumbered.

But, as the six-day war of June, 1967, proved, the paper balance sheet can be announced March 23 that President Nixon and comer weapons to a total value of about completely misleading.

have so far failed to achieve.

Israel at the latest count has about 320

According to President Nasser, Israel has three pilots for each of its first line planes, making it possible to fly many more sorties All-purpose fighter with a single aircraft. Egypt, on the other hand, has not enough trained pilots to man all its MIGs and Sukhois.

Moreover, the Israeli planes can carry bigger bomb loads and have more versatility in an offensive role than the Egyptian fignter, Foxbat.

squadrons.

Most analysts agree that until the Arabs make up the lag in training, quality, and technology, the Israelis will continue to come out on top in any new round of fighting for many years ahead.

Guerrilla action builds

However, another factor of growing signifiof the Palestine Arab guerrilla movement.

The guerrillas are totally committed to the recovery of their homeland, and to the establishment of a secular Palestine state

rael ahead

ventional strategy may prove to be a bigger and A-20 medium bombers. The planes were challenge to Israeli military power than the Aioasia Comiental Arch in Azores, conventional Arab forces,

their hands the most sophisticated and effecting. When the time came for the Beaufighter in the Middle East: and the came for the Beaufighter in the Middle East:

The Phantom can carry a bigger bomb load and has a greater combat radius than

gion today.

President Johnson agreed to sell Israel 50 White House came to an end. Delivery

Israel has been pressing the United States Add to Egypt's arsenal the weaponry of for 25 more Phantoms as well as for 80 to the other Arab states bordering on Israel, 100 more Skyhawk attack bombers. It as ed

had decided not to sell Israel more combat The Israelis have a know-how, military planes for the time being. The President beskill, and ingenuity that the Arab states lieves that at this time Israel's air power is sufficient for its defense needs, Mr. R zers said. The United States would be in a posicombat planes compared with Egypt's fleet tion to send the Jewish state more planof more than 400 Soviet-supplied aircraft. promptly if there was a change in the military power balance, he added.

To counter the introduction of the Phantoms on the Israeli side, President Nasser is urging the Soviet Union to give him the still more advanced MIG-23 all-purpose fighter, known in NATO terminology as the

Many analysts doubt that the Russians Mirages. would commit the MIG-23 to the Middle East at this stage.

like a James Bond thriller—or series of thrillers.

• It built up a tank force by purchasing World War II Sherman tanks in scrapyards cance on the Middle East scene is the rise in France and Italy. It scoured the junk- ba go was announced. yards for treads and other parts for the tanks and fitted the pieces together.

 The original Israeli Air Force was assembled from a variety of rebuilt World

A company was set up in the United States Some Middle East watchers say that, in the long run, the guerrillas by their uncon- and A-20 medium hombers. The planes were Ajaccio, Corsica, and then to Israel.

At the moment, the Israelis have in Beaufighters, hired crews, and began filmthe American McDonnell-Douglas Phantom headed for Ajaccio. The aircraft were refiters to go into action, they took off and ted for combat at a base in Yugoslavia.

At about the same time the Czechs were

any other comparable aircraft in this re- producing Messerschmitt-109 fighters for sale to Israel.

 An airline based on Panama called Phantoms shortly before his term at the LAPSA succeeded for a while in operating as a cover for the transport of small arms.

> Under secret agreements concluded between former West German Chancellor Konrad Adenauer and Tel Aviv, with tacit United States approval, West Germany has

Israel American Patton tanks and Si-But Secretary of State William P. Rogers to be helicopters, naval craft, artillery, \$80 million. Twenty-four Sikorskys were loaded onto transports in northern German ports at night—two per transport.

> • After Gen. Charles de Gaulle clamped down his total arms embargo on Israel in December, 1968, spare parts for Israel's nany French-made aircraft reached the

wish state by devious means.

A Swiss engineer was arrested last fall for passing to Israeli agents the blueprints of the Atar engine which powers the French Mirage-III. The engine is manufactured under license in Switzerland. The French embargo has blocked delivery of 50 Mirages to Israel, and made it difficult to service the engines of the Jewish state's existing

 On Christmas Day, 1969, the Israelis snatched five French-built gunboats from The story of how Israel has armed itself Cherbourg harbor and sailed them to Israel. since its emergence as a state in 1948 reads They were the last of 12 Saar class gunboats ordered by Israel from France. Five of the ships were delivered before the total French embargo was enforced. Two others escaped from Cherbourg a day or two after the em-

Aircraft industry grows

These fast ships will be fitted with an continued

boats, which are equipped with Styx missiles. The Israeli destroyer Filat was sunk lease 2004/10 in October, 1967, by a Styx missile. CIA-RDP88-01314R000100270036-7 All rights reserved

Israel is steadily building up its own aircraft industry. It has manufactured the French Fouga Magister jet trainer under license and launched an export campaign to sell these planes to African countries. Uganda has bought about 12 of them.

Under the terms of the license agreement, Israel is barred from selling the Fouga Magister to former French colonies.

Last November, the prototype of an entirely Israeli-designed light transport known as the Arava made a successful test flight.

Israel also has bought the production rights of a high-speed executive jet from the North American Rockwell Corporation.

It hopes to sell both the Arava and the executive jet abroad and thus earn hard currency to help pay for its imports of military planes, which represent a heavy drain on its budget.

The Israeli aircraft industry, which in 17 years has grown from 70 employees to nearly 10,000, also manufactures spare parts for some of the planes it purchases from abroad. The French Turbomeca Marbore engine is being produced in Israel under license.

It seems clear that Israel's goal is to develop the capability to produce military combat planes.

In the next few years Israel probably will be in a position to make a light closesupport fighter and supporting transports, but it will be at least another decade before it can construct advanced supersonic fighters for combat missions.

-Atomic capability

Israel probably now has the capability to produce an atomic bomb. It is operating an atomic reactor at Dimona in the Negev Desert, about which little is known by outsiders. It is quite likely that significant amounts of plutonium from this reactor

have been stockpiled.

A surface-to-surface medium-range missile known as the MD-660, being developed for Israel in France, was undergoing experimental launches in early 1968. Actual delivery of the missile has not been confirmed. The MD-660 has a range of about 300 miles and can carry a 1,000- to 1,200-pound warhead — about the size of a small atomic bomb.

The Israelis are said to consider themselves in too vulnerable a geographical position to establish nuclear forces.

But they have the option of developing nuclear independence and apparently intend to keep that option for the time being at least. Israel has not signed the nuclear nonproliferation treaty.

The weapons in the Israeli arsenal that are significant as nuclear delivery vehicles are the American Skyhawk A-4E and the Phantom F-4E as well as the MD-660 missile, if it has reached Israel.

Armed forces: 1

22,500 regulars, 290,000 on total mobilization

Combat aircraft: -

15 Vautour in reserve (French)

35 Ouragan in reserve (French)

35 Mystere 1VA (French)

12 Super Mystère (French) 65 Mirage IIICJ with Matra air-to-air missiles

(French)

46 Skyhawk A-4E (U.S.)
50 Phantom F-4E with Sparrow air-to-air missile

and Bullpup air-to-surface missile (U.S.)

65-80 Fouga Magister armed jet trainers for close support (French and Israeli)

Other aircraft:

30 Noratlas transports (French) 6 Stratocruiser transports (U.S.)

C-47 light transports (U.S.)

25 Sikorsky S-58 helicopters (U.S.)

H-13 helicopters (U.S.)

5 Alouette helicopters (French)

12 Super Frelon helicopters (French)

OH-6A helicopters (U.S.)

25 Agusta-Bell 205 helicopters (Italian built under

U.S. license)

60 Piper Cub light aircraft (U.S.)

Missiles:

About 100 launchers (10 to 12 batteries) for Hawk surface-to-air missiles (U.S.)

MD-660 medium-range, surface-to-surface missiles (ordered from France, delivery not confirmed)

Armor:

50-100 AMX-13 light tanks (French)
400 Centurion medium tanks 400 Centurion medium tanks-200 more due to be de-

livered early '70 (British)

200 Sherman and Super Sherman tanks (American

and French) 300 M-48 Patton tanks (American)

120 T-54/55 tanks captured from the United Arab

Republic in 1967 (Soviet)

More than 1,500 other armored vehicles: M-113 armored personnel carriers (U.S.), AML-90 armored cars (French), and M-3 armored half-tracks (French)

(Israel wants British Chieftain tanks but London refuses to sell.)

Artillery:

Light weapons (French)

Israeli-built flamethrowers and bazookas

20 mm., 30 mm., 40 mm., and 90 mm. antiaircraft

guns (of various origin)

Mobile antiaircraft batteries each made up of three Swedish Bofors 40 mm. guns with Swiss radar

106 mm. jeep-mounted recoilless rifles (U.S.) 60 mm. to 160 mm. mortars, heaviest mounted on

vehicles (Israeli)

New 120 mm. mortars, lightweight (Israeli)

105 mm. guns (U.S.)

SS-10/11 antitank missiles on carriers (French) More than 250 self-propelled guns: 155 mm. howitzers on Sherman chassis and 105 mm. howitzers on AMX-13 chassis (all Israeli hybrids)

Small arms:

7.62 mm. FN FAL rifle (Belgian, produced under

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Approved For Release 2004/10/28 : CIA-RDP88-01314R000100270036-7

ucense in Israel) Approved For Release 2004/10/28 : CIA-RDP88-01314R000100270036-7 Uzi submachine gun (Israeli design Release 2004/10/28 : CIA-RDP88-01314R000100270036-7 .30 and .50 caliber machine guns (of various origin, mainly U.S.)

Navy:

3 submarines (ex-British) (The submarine Dakar sank in the Mediterranean in January, 1968, but may have been replaced.)

1 destroyer (ex-British) (The destroyer Eilat was

sunk by an Egyptian missile boat in October, 1967.)

1 escort (U.A.R., captured in 1956)

12 fast Saar-class gunboats (built in France, equipped with Israeli-designed Gabriel missile with

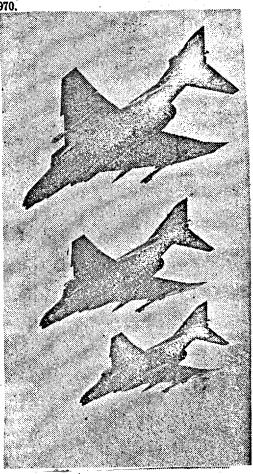
3-to-12-mile range)

1 patrol vessel (ex-U.S. submarine chaser)
3 motor torpedo boats (built in Italy)

6 motor torpedo boats (built in France)
2 patrol boats (built in West Germany)

2 patrol boats (ex-British)
4 patrol boats (built in Japan) 3 landing craft (Israeli construction)
1 medium landing craft (ex-U.S.)

1 naval vessel, probably an MTB or patrol boat, was sunk by Egyptian frogmen in Eilat harbor on Feb. 6, 1970.



By R. Norman Matheny, staff photographer

